

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
31 December 2003 (31.12.2003)

PCT

(10) International Publication Number  
**WO 2004/000815 A1**

(51) International Patent Classification<sup>7</sup>: **C07D 217/20**,  
A61K 31/47, A61P 25/28

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(21) International Application Number:  
PCT/IB2003/002600

(22) International Filing Date: 16 June 2003 (16.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
02121479.4 25 June 2002 (25.06.2002) CN

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,  
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,  
VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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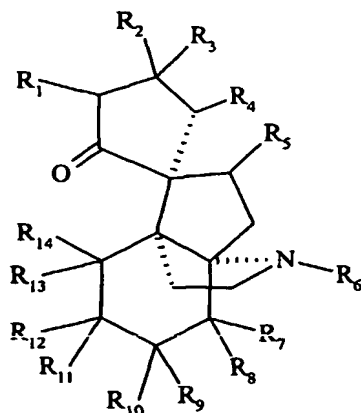
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Published:

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: ACUTUMINE AND ACUTUMINE COMPOUNDS, SYNTHESIS AND USE



(I)

(57) Abstract: The invention relates to acutumine and  
compounds thereof and also to compounds of formula (I)  
wherein R<sub>1</sub> and R<sub>2</sub> each represent a hydrogen atom or to-  
gether form an additional bond, R<sub>3</sub> represents a hydro-  
gen atom or an alkoxy group, R<sub>4</sub> represents a hydrogen or  
chlorine atom, R<sub>6</sub> represents a hydrogen atom or an alkyl,  
alkylcarbonyl or amyl group, R<sub>7</sub> and R<sub>10</sub> each represent  
an alkoxy group, R<sub>10</sub> represents an alkoxy group, R<sub>4</sub>, R<sub>8</sub>,  
R<sub>9</sub>, R<sub>11</sub>, R<sub>12</sub>, R<sub>13</sub> and R<sub>14</sub> are as defined in the description.

## INTERNATIONAL SEARCH REPORT

International Patent No.  
PCT/IB 03/02600

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D217/20 A61K31/47 A61P25/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TOMITA, MASAO ET AL: "Alkaloids of menispermaceous plants. CCLIX. Alkaloids of Menispermum dauricum. Structures of acutumine and acutumidine, chlorine-containing alkaloids with a novel skeleton" CHEMICAL & PHARMACEUTICAL BULLETIN (1971), 19(4), 770-91 , XP009020002 chart 4	1-19
A,P	YU B-W ET AL: "Alkaloids from Menispermum dauricum" PHYTOCHEMISTRY, PERGAMON PRESS, GB, vol. 61, no. 4, October 2002 (2002-10), pages 439-442, XP004385776 ISSN: 0031-9422 abstract, Fig. 1, page 441	1-19

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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

29 October 2003

Date of mailing of the international search report

06/11/2003

Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

Publication No  
IB 03/02600

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 4 749 707 A (CALVO FERNANDO ET AL)  7 June 1988 (1988-06-07)  column 1, lines 1-33  -----</p>	1-19